

Aaira Surface

INSTRUCTION MANUAL | ASE-00WH07

Created by nature.
Engineered by science.



Thank you for your purchase.
Now you can **clean easy.**

The Aaira Surface starts with a solution of tap water, salt (non-iodized), and 5% white vinegar and through the use of electrolysis to generate hypochlorous acid (HOCl).

All the things you
need to know are here.

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Your safety is important to us.

Read all safety instructions before you use the device.



WARNING! TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR INJURY PLEASE ADHERE TO THE FOLLOWING:

- ! Use only as described in the Instruction Manual. Do not carry out any maintenance other than that shown in this guide or as advised by customer support. Any other use not recommended by the manufacturer may cause fire, electric shock or injury.
- ! When moving the machine, hold it by the base. DO NOT MOVE THE MACHINE WITH WATER IN THE PITCHER.
- ! THIS MACHINE IS NOT INTENDED FOR USE BY CHILDREN. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children. This appliance can be used by children 8 years and above if supervised.
- ! This machine is not intended for use by persons with reduced physical, sensory or reasoning capabilities or lack of experience or knowledge unless they have been given supervision or instruction concerning the use of the machine by a person responsible for their safety.
- ! Do not use it on wet surfaces or outdoors. Do not use in bathrooms. Never operate the machine where it may fall in the bath or other water container. Do not use or store it where it may get wet or in the immediate surroundings of a bath, shower or swimming pool.
- ! Do not pour water into any openings except for the pitcher. When refilling, only do so as described in this guide. DO NOT USE HOT WATER.

- ! This machine may have hot parts inside. Do not use in areas where fuel, paint or flammable liquids are present. Keep combustible materials away from the machine. DO NOT USE NEAR FURNACES, FIREPLACES, STOVES OR OTHER HIGH-TEMPERATURE HEAT SURFACES.
- ! DO NOT LOCATE DIRECTLY BELOW A MAIN ELECTRICITY SUPPLY SOCKET.
- ! To Reduce the Risk of Electric Shock, this appliance has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way. (Not applicable in UK).
- ! Do not unplug by pulling the cord from the socket. To unplug, grasp the plug, not the cord.
- ! Do not handle any part of the plug with wet hands.
- ! Do not use the machine with a damaged cord or plug. If the cord is damaged it must be replaced.
- ! If the machine is not working properly, has received a sharp blow, has been dropped or damaged, do not use the machine and contact customer support for repair.
- ! ALWAYS PLACE MACHINE ON A FIRM, FLAT, LEVEL SURFACE.
- ! Turn off all controls before unplugging. Always unplug machine when not in use.
- ! READ AND SAVE THESE INSTRUCTIONS.
- ! THIS MACHINE IS INTENDED FOR HOUSEHOLD AND INDOOR USE ONLY.
- ! When the device is not used for an extended time store it in a cool dry place. Do not store the device where it might be exposed to excessive moisture or direct sunlight. The device may not operate effectively in very low temperatures. The device can be damaged when exposed to sub-freezing temperatures.

Read all safety instructions in the quick start guide, instruction manual, and on the device.



Product Overview



1. Pitcher
2. Cap/Vinegar Measuring Cup
3. Salt Bottle with Scoop
4. Base
5. Power Supply
6. Stirring Stick
7. Green Spray Bottle
(Used to fill with low concentration disinfectant)
8. Blue Spray Bottle
(Used to fill with high concentration disinfectant)

How It Works

Aira Surface can produce two different concentrations of HOCl disinfectant:

High Concentration

The high-concentration HOCl disinfectant has 200 mg/L (200 PPM) of free effective chlorine.

Low Concentration

The low-concentration HOCl disinfectant has 100 mg/L (100 PPM) of free effective chlorine.

Aira Surface starts with a solution of water, salt (non-iodized), and 5% white vinegar. Through the use of electrolysis it generates hypochlorous acid (HOCl). This acidic water can be used for cleaning and disinfecting a wide range of surfaces. It neutralizes 99.9% of germs on surfaces.

Unpacking and Setup

1. Remove the unit from the box and check that all the items shown in the product overview are included. It is a good idea to keep the packaging for storage or in the event it must be shipped back for service.
2. Locate the unit on a flat, stable surface in proximity to the electrical outlet.
3. Connect the power supply to the unit and route the power cord to the outlet, but do not plug it in yet. Make sure that the power supply is out of the way and does not pose a tripping hazard. Keep it out of reach of children and pets.
4. To begin using the unit you will need non-iodized salt.
5. You will need 5% white vinegar.
6. Finally, you will need ordinary water.

Getting Started

1

Fill to max water line with tap water and add non-iodized salt:

- 2 scoops (2 grams) for low concentration (100 PPM).
- 4 scoops (4 grams) for high concentration (200 PPM).



2

Use the vinegar measuring cup to add 4ml/0.14oz. of 5% white vinegar. Stir the salt for 10 seconds with the provided stirring stick.



3A

Press the left button to make low concentration (100 PPM) HOCl disinfectant. Wait 9 minutes until process is complete.



3B

Press the right button to make high concentration (200 PPM) HOCl disinfectant. Wait 12 minutes until process is complete.



4

When the disinfectant is ready. Pour into coordinating spray bottle. Remove safety clip before use.



Use the green bottle for low concentration disinfectant (100 PPM).

Use the blue bottle for high concentration disinfectant (200 PPM).



Operating Procedures

1. Place the pitcher on the base.
2. Add 1000ml/33.81 oz. of tap water.

Add salt:

- 2 scoops (2 grams) of non-iodized salt for low concentration HOCl disinfectant
- 4 scoops (4 grams) of non-iodized salt for high concentration HOCl disinfectant

3. Add 4ml/0.14oz. of 5% white vinegar. Use the cap of the salt bottle as a measuring cup.
4. Using the stirring stick, vigorously stir the water for 10 seconds to fully dissolve the salt. **NOTE: If you do not adequately stir the water, salt may accumulate on the electrolysis pad.**
5. Place the lid on the pitcher.
6. Plug the power supply into the unit. You will hear a power up chime sound and the LED in the base will light up. After three seconds, the LED will go out indicating that the unit is in standby mode.
7. Press the Function Button on either the low concentration (left) side or the high concentration (right) side to begin the HOCl generation process.
8. The LED in the base will illuminate (green for low concentration or blue for high concentration) and then slowly pulse, indicating that the HOCl generation process is underway.

NOTE: If you wish to cancel the process at any time, press and hold any part of the function button for two seconds and the unit will return to standby mode.

9. The electrolysis process will take 9 minutes for low concentration HOCl and 12 minutes for high concentration HOCl. When the process is complete, you will hear the shutdown chime sound and the base LED will go out.
10. Your HOCl disinfectant is now ready for use. You can fill the spray bottle with the HOCl disinfectant, remove the safety clip and begin using it for cleaning, deodorizing, or disinfecting. Do not overfill or underfill the spray bottle for best effectiveness.

NOTE: The HOCl disinfectant will lose effectiveness over time. You should discard it after 1-2 days and process a new batch.

Control Panel



Low Concentration
HOCl Disinfectant (100 PPM)



High Concentration
HOCl Disinfectant (200 PPM)

Maintenance

The unit should be cleaned regularly. Clean the pitcher or bottles with fresh water after each usage. Use a clean, dry cloth for the external surfaces of the machine. Lime scale builds up in the machine over time. To ensure the best performance, use clean mode to clean every 6 month.

How to clean:

1. Fill the pitcher with 500ml/16.91oz. of water.
Do not add any salt or vinegar.
2. Press both buttons on the control panel.
3. Wait 3 minutes.
4. Empty pitcher.



- Do not leave disinfectant in the pitcher or bottles for an extended period of time (no more than 48 hours is recommended).
- When the device won't be used for an extended period of time store it in a cool dry place. Do not store the device where it might be exposed to excessive moisture or direct sunlight. The device may not operate effectively in very low temperatures. The device can be damaged when exposed to sub-freezing temperatures.
- Use a dry cloth to clean the exterior of the device. Do not use any chemicals or cleaners
- Do not allow water to accumulate between the pitcher and the base. If the matting surface of the base is wet, immediately wipe dry with a clean, dry cloth and allow to thoroughly dry before use.
- Do not remove the electrode from the bottom of the pitcher. Avoid any vigorous rubbing or cleaning of the electrodes. If you see white, scaly mineral deposits collecting on the electrode, add a small amount of vinegar to the pitcher and gently clean it to remove the scaling.

Where to Use

Remove heavy deposits from surfaces before using the HOCl disinfectant. Be sure to test HOCl in a small, inconspicuous area before using to ensure discoloration does not occur.

Everyday Use

Low Concentration (100 PPM)

Clean high-touch areas and surfaces including but not limited to countertops, tabletops, appliances, cabinets, doors and windows.

Disinfectant

High Concentration (200 PPM)

Heavy duty cleaning areas including but not limited to bathtubs, showers, toilets, floors, sinks and drains.

Troubleshooting

Symptom	Probable Cause/Solution
Base LED does not illuminate	Power problem. Check power cord and circuit breaker.
Base LED illuminated, but no bubbles in pitcher during electrolysis	Pitcher is not securely mounted in base; make sure it is seated properly.
Base LED illuminated, but bubbles are sparse	Possibly using purified or distilled water; use ordinary tap water.
Unit does not operate	Make sure the amounts of salt and vinegar are correct for the concentration being produced.

For any issues not covered here, contact Customer Assistance.

Device Specifications

Model Number	ASE-00XX07
Power Consumption	18 Watts
Input Voltage	9V DC, 3A
Pitcher Capacity	1000ml/33.81 oz.
Spray Bottle Capacity	150ml/5.07oz. *2
HOCl Recipe (Low concentration 100ppm)	2 scoops (2 grams) of non-iodized salt: 1000ml/33.81 oz. of tap water: 4ml/0.14oz. of 5% white vinegar
HOCl Recipe (High concentration 200ppm)	4 scoops (4 grams) of non-iodized salt: 1000ml/33.81 oz. of tap water: 4ml/0.14oz. of 5% white vinegar
Material & Finish	ABS, White
Dimensions	6.6x 6.8x 9 inches (167.4 x 171.7 x 229.7 mm)
Net Weight (without water)	1.87lbs (0.85kg)

Product Warranty

This product is warranted for a period of 2 years from the date of original purchase against defects in materials and workmanship. If this product should fail to operate due to defects in material or workmanship within 24 months of purchase, see www.DHLifelabs.com for details. This product will be repaired or replaced, at D&HLifelabs' option. This warranty is expressly limited to repair or replacement of product, and liability for direct, incidental, or consequential damages is hereby expressly excluded. Some states do not allow exclusions of direct, incidental or consequential damages, so the above limitation of exclusion may not apply to you. This warranty gives the consumer specific legal rights, which vary from state to state. WARRANTY IS VOID IF PRODUCT IS NOT USED FOR THE PURPOSE WHICH THIS PRODUCT IS MANUFACTURED.

FCC Statement

Supplier's Declaration of Conformity:

Trade Name: DH Lifelabs

Models: ASE-00XX07

Responsible Party: Dernier & Hamlyn Inc.

Address: Dernier & Hamlyn Inc., 720 Northgate Parkway, Wheeling, IL 60090

Telephone Number: 1-877-548-9722

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution: The user is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Need Help?

1-877-548-9722

9 AM-6 PM, CST, Monday-Friday



EPA EST NO. 99117-CHN-1
MADE IN CHINA

Dernier & Hamlyn Inc.
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Wheeling, IL 60090

*The Aaira Surface uses HOCl Technology that takes ingredients found in nature (water and non-iodized salt) and uses science (electrolysis) to create a powerful disinfectant.

**Dispose used products according to local regulations.